

Filippo Giorgi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

11,284
citations

41
h-index

87
g-index

87
ext. papers

12,809
ext. citations

4.7
avg, IF

6.69
L-index

#	Paper	IF	Citations
79	Non-Hydrostatic Regcm4 (Regcm4-NH): Evaluation of Precipitation Statistics at the Convection-Permitting Scale over Different Domains. <i>Atmosphere</i> , 2022 , 13, 861	2.7	1
78	The CORDEX-CORE EXP-I initiative: Description and highlight results from the initial analysis. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-52	6.1	7
77	Climate hazard indices projections based on CORDEX-CORE, CMIP5 and CMIP6 ensemble. <i>Climate Dynamics</i> , 2021 , 57, 1293	4.2	16
76	Future projections in tropical cyclone activity over multiple CORDEX domains from RegCM4 CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021 , 57, 1507-1531	4.2	4
75	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution, part I: evaluation of precipitation. <i>Climate Dynamics</i> , 2021 , 57, 275-302	4.2	31
74	Robust late twenty-first century shift in the regional monsoons in RegCM-CORDEX simulations. <i>Climate Dynamics</i> , 2021 , 57, 1463-1488	4.2	25
73	Comparison of GCM and RCM simulated precipitation and temperature over Central America and the Caribbean. <i>Theoretical and Applied Climatology</i> , 2021 , 143, 389-402	3	4
72	Assessment of the European Climate Projections as Simulated by the Large EURO-CORDEX Regional and Global Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2019JD032356	4.4	32
71	Interannual variability of the boreal winter subtropical jet stream and teleconnections over the CORDEX-CAM domain during 1980-2010. <i>Climate Dynamics</i> , 2021 , 57, 1571-1594	4.2	1
70	Projected changes in precipitation and temperature regimes and extremes over the Caribbean and Central America using a multiparameter ensemble of RegCM4. <i>International Journal of Climatology</i> , 2021 , 41, 1328-1350	3.5	3
69	Bias correction of temperature and precipitation over China for RCM simulations using the QM and QDM methods. <i>Climate Dynamics</i> , 2021 , 57, 1425-1443	4.2	17
68	ENSO teleconnections in an ensemble of CORDEX-CORE regional simulations. <i>Climate Dynamics</i> , 2021 , 57, 1445-1461	4.2	2
67	Future projections in the climatology of global low-level jets from CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2021 , 57, 1551-1569	4.2	9
66	Projections of river floods in Europe using EURO-CORDEX, CMIP5 and CMIP6 simulations. <i>International Journal of Climatology</i> , 2021 , 41, 3203-3221	3.5	10
65	The first multi-model ensemble of regional climate simulations at kilometer-scale resolution part 2: historical and future simulations of precipitation. <i>Climate Dynamics</i> , 2021 , 56, 3581-3602	4.2	29
64	Non-Hydrostatic RegCM4 (RegCM4-NH): model description and case studies over multiple domains. <i>Geoscientific Model Development</i> , 2021 , 14, 7705-7723	6.3	4
63	Investigating the relative responses of regional monsoon dynamics to snow darkening and direct radiative effects of dust and carbonaceous aerosols over the Indian subcontinent. <i>Climate Dynamics</i> , 2020 , 55, 1011-1030	4.2	12

62	The Regional Earth System Model RegCM-ES: Evaluation of the Mediterranean Climate and Marine Biogeochemistry. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2019MS001812	7.1	11
61	Near-Future Anthropogenic Aerosol Emission Scenarios and Their Direct Radiative Effects on the Present-Day Characteristics of the Indian Summer Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031414	4.4	7
60	Regional climate downscaling over Europe: perspectives from the EURO-CORDEX community. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	104
59	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. <i>Journal of Climate</i> , 2020 , 33, 3635-3661	4.4	113
58	Assessing mean climate change signals in the global CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2020 , 57, 1269	4.2	21
57	Assessing changes in the atmospheric water budget as drivers for precipitation change over two CORDEX-CORE domains. <i>Climate Dynamics</i> , 2020 , 57, 1615	4.2	6
56	Evaluation of the Large EURO-CORDEX Regional Climate Model Ensemble. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 126, e2019JD032344	4.4	27
55	Current and future potential of solar and wind energy over Africa using the RegCM4 CORDEX-CORE ensemble. <i>Climate Dynamics</i> , 2020 , 57, 1647	4.2	14
54	Projected changes to severe thunderstorm environments as a result of twenty-first century warming from RegCM CORDEX-CORE simulations. <i>Climate Dynamics</i> , 2020 , 57, 1595	4.2	6
53	Thirty Years of Regional Climate Modeling: Where Are We and Where Are We Going next?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 5696	4.4	130
52	Indian Summer Monsoon as simulated by the regional earth system model RegCM-ES: the role of local air-sea interaction. <i>Climate Dynamics</i> , 2019 , 53, 759-778	4.2	24
51	Impact of climate change on snow melt driven runoff timing over the Alpine region. <i>Climate Dynamics</i> , 2018 , 51, 1259-1273	4.2	21
50	Assessment of multiple daily precipitation statistics in ERA-Interim driven Med-CORDEX and EURO-CORDEX experiments against high resolution observations. <i>Climate Dynamics</i> , 2018 , 51, 877-900	4.2	49
49	Regional earth system modeling: review and future directions. <i>Atmospheric and Oceanic Science Letters</i> , 2018 , 11, 189-197	1.4	62
48	Influence of Lake Malawi on regional climate from a double-nested regional climate model experiment. <i>Climate Dynamics</i> , 2018 , 50, 3397-3411	4.2	20
47	Sensitivity study of the regional climate model RegCM4 to different convective schemes over West Africa. <i>Earth System Dynamics</i> , 2018 , 9, 1261-1278	4.8	14
46	Threatening levels of cumulative stress due to hydroclimatic extremes in the 21st century. <i>Npj Climate and Atmospheric Science</i> , 2018 , 1,	8	16
45	Climate Change and Future Pollen Allergy in Europe. <i>Environmental Health Perspectives</i> , 2017 , 125, 385-391	3.1	123

44	Enhanced summer convective rainfall at Alpine high elevations in response to climate warming. <i>Nature Geoscience</i> , 2016 , 9, 584-589	18.3	145
43	WCRP COordinated Regional Downscaling EXperiment (CORDEX): a diagnostic MIP for CMIP6. <i>Geoscientific Model Development</i> , 2016 , 9, 4087-4095	6.3	174
42	The role of ENSO and PDO in variability of winter precipitation over North America from twenty first century CMIP5 projections. <i>Climate Dynamics</i> , 2016 , 46, 3259-3277	4.2	26
41	Regional Dynamical Downscaling and the CORDEX Initiative. <i>Annual Review of Environment and Resources</i> , 2015 , 40, 467-490	17.2	330
40	Added value of regional climate modeling over areas characterized by complex terrain: Precipitation over the Alps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 3957-3972	4.4	164
39	Inter-annual variability of precipitation over Southern Mexico and Central America and its relationship to sea surface temperature from a set of future projections from CMIP5 GCMs and RegCM4 CORDEX simulations. <i>Climate Dynamics</i> , 2015 , 45, 425-440	4.2	42
38	Climate change and infectious diseases: Can we meet the needs for better prediction?. <i>Climatic Change</i> , 2013 , 118, 625-640	4.5	65
37	Development and validation of a regional coupled atmosphere lake model for the Caspian Sea Basin. <i>Climate Dynamics</i> , 2013 , 41, 1731-1748	4.2	7
36	Progress in regional downscaling of west African precipitation. <i>Atmospheric Science Letters</i> , 2011 , 12, 75-82	2.4	133
35	An atmosphere-ocean regional climate model for the Mediterranean area: assessment of a present climate simulation. <i>Climate Dynamics</i> , 2010 , 35, 721-740	4.2	121
34	Does the model regional bias affect the projected regional climate change? An analysis of global model projections. <i>Climatic Change</i> , 2010 , 100, 787-795	4.5	74
33	Simulation of the Indian monsoon using the RegCM3-BROMS regional coupled model. <i>Climate Dynamics</i> , 2009 , 33, 119-139	4.2	106
32	Climate change projections for the Mediterranean region. <i>Global and Planetary Change</i> , 2008 , 63, 90-104	4.2	1949
31	Dust aerosol impact on regional precipitation over western Africa, mechanisms and sensitivity to absorption properties. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	155
30	Multi-decadal scenario simulation over Korea using a one-way double-nested regional climate model system. Part 2: future climate projection (2021-2050). <i>Climate Dynamics</i> , 2008 , 30, 239-254	4.2	34
29	Extension and Intensification of the Meso-American mid-summer drought in the twenty-first century. <i>Climate Dynamics</i> , 2008 , 31, 551-571	4.2	105
28	Increase in summer European ozone amounts due to climate change. <i>Atmospheric Environment</i> , 2007 , 41, 7577-7587	5.3	155
27	An inter-comparison of regional climate models for Europe: model performance in present-day climate. <i>Climatic Change</i> , 2007 , 81, 31-52	4.5	535

26	Regional Climate Modeling for the Developing World: The ICTP RegCM3 and RegCNET. <i>Bulletin of the American Meteorological Society</i> , 2007 , 88, 1395-1410	6.1	776
25	European climate-change oscillation (ECO). <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	38
24	Climate Change Prediction. <i>Climatic Change</i> , 2005 , 73, 239-265	4.5	94
23	Indirect vs. Direct Effects of Anthropogenic Sulfate on the Climate of East Asia as Simulated with a Regional Coupled Climate-Chemistry/Aerosol Model. <i>Climatic Change</i> , 2003 , 58, 345-376	4.5	96
22	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003 , 55, 914-934	3.3	135
21	Direct radiative forcing and regional climatic effects of anthropogenic aerosols over East Asia: A regional coupled climate-chemistry/aerosol model study. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 7-1		139
20	Dependence of the surface climate interannual variability on spatial scale. <i>Geophysical Research Letters</i> , 2002 , 29, 16-1-16-4	4.9	39
19	Regional simulation of anthropogenic sulfur over East Asia and its sensitivity to model parameters. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2001 , 53, 171-191	3.3	45
18	A study of internal variability of a regional climate model. <i>Journal of Geophysical Research</i> , 2000 , 105, 29503-29521		188
17	Introduction to special section: Regional Climate Modeling Revisited. <i>Journal of Geophysical Research</i> , 1999 , 104, 6335-6352		653
16	Simulating the water balance of the Aral Sea with a coupled regional climate-lake model. <i>Journal of Geophysical Research</i> , 1999 , 104, 6583-6602		78
15	Regional stretched grid generation and its application to the NCAR RegCM. <i>Journal of Geophysical Research</i> , 1999 , 104, 6501-6513		14
14	The Effects of Domain Choice on Summer Precipitation Simulation and Sensitivity in a Regional Climate Model. <i>Journal of Climate</i> , 1998 , 11, 2698-2712	4.4	220
13	Multiyear present-day and 2 [CO ₂ simulations of monsoon climate over eastern Asia and Japan with a regional climate model nested in a general circulation model. <i>Journal of Geophysical Research</i> , 1995 , 100, 21105		60
12	Regional Climate Change Scenarios over the United States Produced with a Nested Regional Climate Model. <i>Journal of Climate</i> , 1994 , 7, 375-399	4.4	299
11	Development of a Second-Generation Regional Climate Model (RegCM2). Part II: Convective Processes and Assimilation of Lateral Boundary Conditions. <i>Monthly Weather Review</i> , 1993 , 121, 2814-2832	2.4	583
10	Development of a Second-Generation Regional Climate Model (RegCM2). Part I: Boundary-Layer and Radiative Transfer Processes. <i>Monthly Weather Review</i> , 1993 , 121, 2794-2813	2.4	599
9	The Multiyear Surface Climatology of a Regional Atmospheric Model over the Western United States. <i>Journal of Climate</i> , 1993 , 6, 75-95	4.4	118

8	Approaches to the simulation of regional climate change: A review. <i>Reviews of Geophysics</i> , 1991 , 29, 191-231	539
7	Use of a limited-area model nested in a general circulation model for regional climate simulation over Europe. <i>Journal of Geophysical Research</i> , 1990 , 95, 18413	73
6	Simulation of Regional Climate Using a Limited Area Model Nested in a General Circulation Model. <i>Journal of Climate</i> , 1990 , 3, 941-963	4-4 454
5	The Climatological Skill of a Regional Model over Complex Terrain. <i>Monthly Weather Review</i> , 1989 , 117, 2325-2347	2-4 349
4	A regional climate model for the western United States. <i>Climatic Change</i> , 1989 , 15, 383	4-5 386
3	Future projections of Mediterranean cyclone characteristics using the Med-CORDEX ensemble of coupled regional climate system models. <i>Climate Dynamics</i> ,1	4-2 6
2	Linkage between the absorbing aerosol-induced snow darkening effects over the Himalayas-Tibetan Plateau and the pre-monsoon climate over northern India. <i>Theoretical and Applied Climatology</i> ,1	3 1
1	Projection of the Future Changes in Tropical Cyclone Activity Affecting East Asia over the Western North Pacific Based on Multi-RegCM4 Simulations. <i>Advances in Atmospheric Sciences</i> ,1	2-9 1